Copies of ms P10-1449 and PTO-892 from parent applications Serial Nos. 08/671,376 and 08/470,271

Page 1 of 12

Form PTO 144		I.S. DEPARTMEN OMMERCE	IT OF	ATTY, DOCKET NC. 507470,271 Page 1 of 12					
(Modified)	P	ATENT AND TRA	ADEMARK	8733.215.00		08/671,376	P T T T T T T T T T T T T T T T T T T T		
	C	FFICE		APPLICANT		2767			
LIST OF RE	FERE	NCES CITED BY	APPLICANT	Tieer GU et al.			0/0		
(Use	Severa	al Sheets if Neces	ssary)	FILING DATE	1/23/02	GROUP	J On		
·	Date:	February 5, 2001		-June 27, 1996	11	2822 - 28	13	•	
				U.S. PATENT DOC	UMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DA		
MID	AA	6,100,954	08/08/00	Kim et al.	349	138			
amo	AB	4,636,038	01/1987	Kitahara el al.	350	339			
ann	AC	4,943,838	07/1990	Ukai	257	410			
ann	AD	5,072,262	12/1991	Uekita et al.	257	410			
ano	AE	5,229,644	07/1993	Wakai et al.	257	. 749			
Amo	AF	5,246,782	09/1993	Kennedy et al.	428	421			
amo	AG	5,294,820	03/1994	Gemma et al.	257	324			
amo	AH	5,486,493	01/1996	Jeng	437	195			
			FC	REIGN PATENT D	OCUMENTS	· · · · <u></u>	· · · · · · · · · · · · · · · · · · ·		
		DOCUMENT NUMBER	DATE		COUNTRY		TRANSLAT YES	NO	
ann	Al	63-279228	11/1988	JAPAN					
amo	AJ.	63-289965	11/1988	JAPAN .					
amo	AK	04-068318	03/1992	JAPAN					
amo	AL	04-163528	06/1992	JAPAN					
amo	AM	05-203936	08/1993	JAPAN		,			
		OTHE	R REFERENCE	S (Including Author,	Title, Date, Pert	inent Pages, E	Etc.)	· .	
9mp	AN		al., Cyclotene™ / S DIGEST, pp. 3		s Resins for Hig	h-Aperture AM	ALCD Applications, SID	96	
gmo	AO	Eric P. Finchen TriQuint Semic	n et al., <i>A Multi-L</i> onductor, Inc., Bo	evel High Density In eaverton, OR, USA	terconnect Proc	ess Designed	& Developed for Manua	facturability,	
amp	ΑP	M.J. Radler et Annual Display	al., <i>Benzocyclobi</i> Manufacturing T	utene Dielectric Res echnology Confere	ins for Flat Pane nce, pp: 123-4,	l Display Appli 1996 (Confere	ications, Proceedings on nce date: February 6-8	of the 3 ^{ed} , 1996)	
EXAMINER	- ()	Quile 5	MAL-		DATE CONS	IDERED 2	/28/03		
*EXAMINER:	Initial and no	if reference is co	nsidered, whethe	r or not citation is in form with next com	conformance w	th MPEP 609; plicant.	Draw line through cita	tion if not in	

**English-language abstract provided.

·. · · ·			· 		parent ap	prications S	U-1449 and P1U- Serial Nos. 08/671	
Form PTO 144		.S. DEPARTMEN	T OF	ATTY. DOCKET NO	08/470,2	'	Page 2 c	of 12
(Modified)		ATENT AND TRA	DEMARK	8733.215.00		08/671,376		
	U	FFICE		APPLICANT		10	052767.	· ·
LIST OF RE	FEREN	NCES CITED BY A	APPLICANT	Tieer GU et al.				·
· (Use	Severa	al Sheets if Neces	sary)	FILING DATE	23/02	GROUP		
	Date:	January 29, 2001		-June 27, 1996		2822 28	313	
		-		U.S. PATENT DOCU	MENTS		·	···
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DA	
Imn	BA	5,585,951	12/1996	Noda et al.	349	122		
My	вв	5,591,676	01/1997	Hughes et al.	438	702		
ams	вс	5,641,974	06/1997	Den Boer et al.	257	59		···
ams	BD	5,675,187	10/1997	Numata et al.	257	758		
Amo	BE	5,721,596	02/1998	Kochi	349	2		
amo	BF	5,721,601	02/1998	Yamaji et al	349	138		
amp	BG	5,821,621	10/1998	Jeng	257	759		
Amo	вн	6,038,008	03/14/2000	Kim et al.	349	138	08/964,914 - 1	1/05/1997
			FC	REIGN PATENT DO	CUMENTS			
		DOCUMENT NUMBER	DATE		COUNTRY	•	TRANSLA YES	NOIT.
amo	BI	0-536-898 A1	04/1993	EUROPEAN PATE	NT OFFICE (I	n English)		
(IMI)	BJ	0-589-478 A2	03/1994	EUROPEAN PATE	NT OFFICE (I			
ann	вк	0-589-478 A3	03/1994	EUROPEAN PATE				
AMO	BL	0-486-047 A2	486-047 A2 05/1992 EUROPEAN PATENT OFFICE (In English)					
amp	ВМ	0-486-047 A3 05/1992 EUROPEAN PATENT OFFICE (In English)				<u></u>	<u> </u>	
		OTHE	R REFERENCE	S (Including Author, T	itle, Date, Pert	inent Pages, E	Etc.)	
amo	BN	Stanley Wolf et CA., 1986	al., Silicon Proc	essing For The VLSI E	Fra, Vol. 1, Pro	ocess Technolo	ogy, Lattice Press, Sui	nset Beach,
GMD.	80		oto et al. <i>High De</i> ne 3-5, 1992, pp :		rate Using Be	nzocyclobuten	e Dielectric, IMC 1992	Proceeding
9MD	BP	Willem den BO Inc., Northville,		perture TFT LCD usin	ng Polymer Inte	erlevel Dielecti	ric,OIS Optical Imagin	g Systems,
EXAMINER.	1	mila- M	Ala		DATE CONS	SIDERED Z	18/03	
*EXAMINER	Initial and no	interence is con	nsidered, whether	er or not citation is in c	onformance w	ith MPEP 609	//////////////////////////////////////	ation if not i

**English-language abstract provided.

Copies desprise PTO-1449 and P1U-892 from parent applications Serial Nos. 08/671,376 and Page 3 of 12 08/470,271 ATTY. DOCKET Form PTO 1449 U.S. DEPARTMENT OF 08/671,376 8733.215.00 COMMERCE PATENT AND (Modified) TRADEMARK OFFICE APPLICANT Tieer GU et al. LIST OF REFERENCES CITED BY APPLICANT GROUP (Use Several Sheets if FILING DATE Necessary) 2822 2813 June 27, 1996 January 29, 2001 Date: U.S. PATENT DOCUMENTS FILING DATE SUB DOCUMENT **EXAMINER** NAME CLASS DATE IF APPROPRIATE CLASS NUMBER INITIAL 336 Yazawa et al. 350 CA 02/1984 4,431,272 Kawazoe et al. 428 213 05/1984 CB 4,451,525 42 349 04/1995 Mitsui et al. CC 5,408,345 34 Warfield 216 05/1995 CD 5,411,629 42 Kanbe et al. 349 5,500,750 03/1996 CE 44 349 -Okano et al. 02/1997 CF 5,600,458 Mizobata et al. 349 113 03/1998 CG 5,724,111 349 138 Maruno et al. CH 5,844,647 12/1998 FOREIGN PATENT DOCUMENTS **TRANSLATION** DOCUMENT DATE COUNTRY NO YES NUMBER EUROPEAN PATENT OFFICE (In English) 09/1994 0-616-241 A2 EUROPEAN PATENT OFFICE (In English) 05/1996 0-714-140 A1 CJ 10/1997 UNITED KINGDOM (In English) 2-311-653 CK DENMARK CL 41-40-180 A1 12/1992 JAPAN (English Abstract only) 09/1992 4-257826A CM OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) M.W. Friends, Determination of Dielectric Constant for Fuji Clear, 3/7/1996, pp:1-2, including Table CN Willem den BOER, A Two-Diode Pixel Circuit and Addressing Method for MIM LCDs, OIS Optical Systems, Inc., CO Northville, MI, USA

*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Tech Notes, Advanced Electronics Resins, Processing Guide for Photo-Imageable BCB, Dow Chemical Co., pp: 1-4

DATE CONSIDERED

2/28/03

*English-language abstract provided.

EXAMINER

•					parent applications Serial Nos. 08/671,37 08/470,271 Page 4 of 1				
orm PTO 1449	CC	S. DEPARTMEN OMMERCE ATENT AND TRA		ATTY. DOCKET NO 8733.215.00		08/671.376		12	
,	OF	FFICE		,		١	0 052767	•	
LIST OF RE	FEREN	CES CITED BY	APPLICANT	APPLICANT	· · · · · · · · · · · · · · · · · · ·			•	
(Use	Severa	Sheets if Neces	sary)	Tieer GU et al.				·. ·	
	Date: J	lanuary 29, 2001	•	FILING DATE	123/02	GROUP			
				June 27, 1996	. 1	2822 2-7	113		
				U.S. PATENT DOCU	MENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DA		
m	DA	5,177,588	01/05/1993	li et al.	257	640			
Man	DB	5,045,905	09/03/1991	Motai et al.	357	207			
ann	DC	5,281,546	01/25/1994	Possin et al.	437	40			
mn	DD	5,003,356	03/26/1991	Wakai et al.	357	4			
Min	ĎΕ	5,847,720	12/08/1998	Dunand -	347	1			
Min	DF	5,576,630	11/19/1996	Fujita	324	760			
Man.	DD	5,920,084	07/06/1999	Gu et al.	. 257	59			
MB	рн	5,780,874	07/14/1998	Kudo	257	77			
			F	OREIGN PATENT DO	CUMENTS	·			
		DOCUMENT NUMBER	DATE		COUNTRY		TRANSLA YES	TION NO	
amo	Di	10-133165	05/1998	JAPAN					
7	DJ	·							
	DK		~ .						
	DL					<u></u>			
	DM							٠.	
		OTHE	R REFERENCE	S (Including Author, 1	Fitle, Date, Per	tinent Pages,	Etc.)		
9mp	DN	Michael Schier Electrochem.	, Reactive Ion E Soc., Vol. 142, N	tching of Benzocyclob o. 9, September 1995	utene Using a , pp: 3238-40	Silicon Nitrid	e Dielectric Etch Mask,	J.	
gmo	DO	Donald Peretri Crystal Mateia	e, et al., <i>Benzoc</i> Is, Device, and A	yclobutene as a Plana Applications (1992), p	erization Resin p: 331-7	for Flat Pane	1 Displays, SPIE Vo., 19	965, Liqui	
	DP								
EXAMINER	1	rufe M	Orla		DATE CON	SIDERED	2/28/08		

**English-language abstract provided.

orm PTO 1449 Modified)	CC PA	S. DEPARTMENT DIMMERCE STENT AND TRAI FICE		ATTY. DOCKET N 8733.215.00	o. 08/470	,271 08/671,376	erial Nos. 08/671, Page 5 o				
LIST OF RE	EREN Several	CES CITED BY A	PPLICANT	APPLICANT	APPLICANT Fieer GU et al.						
	لے :Date	anuary 29, 2001		FILING DATE	1 1:02	GROUP					
				June 27, 1996	1/23/02	2822 2813	· .	•			
				U.S. PATENT DOC	UMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIA				
amo	ΕA	5,477,359	12/19/1995	Okazaki	359	77					
ann	EB	5,287,208	02/15/1994	Shimoto et al.	359	75					
amo	EC	5,994,721	11/30/1999	Zhong et al.	257	89	-				
9	ED										
	EE			×-							
	EF										
	ED						· .	<u>. </u>			
	EH		•					· · ·			
			F	OREIGN PATENT I	DOCUMENTS						
		DOCUMENT NUMBER	DATE		COUNTRY		TRANSLATI YES	NO 			
\	ΕI										
	EJ										
	EK						 				
	EL		,				-				
	EM				•	<u> </u>		·			
		ОТНЕ	R REFERENC	ES (Including Autho	r, Title, Date, Pe	ertinent Pages, Etc	c.)				
	EN										
	EO							/			
\	EP										
I)		, , ,	1 Dolo		I DATE CON	ISIDERED C/	28/03				

**English-language abstract provided.

Othis F10-1449 and F10-892 from

parent applications Serial Nos. 08/671,376 and 08/470,271 Page 6 of 12

Application No. Gu et al 08/671,376 Group Art Unit Notice of References Cited Examiner Page 1 of 1 2822 Michael Trinh U.S. PATENT DOCUMENTS SUBCLASS CLASS NAME DATE DOCUMENT NO. 77 359 Okazaki 12/19/95 5,477,359 586 438 Chang et al 9/24/96 5,559,055 642 257 Kudo 7/14/98 5,780,874 G H J K M FOREIGN PATENT DOCUMENTS SUBCLASS CLASS NAME COUNTRY DATE DOCUMENT NO. N 0 a R NON-PATENT DOCUMENTS DATE DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

U. S. Patznt and Trajermark Office PTO-892 (Rev. 9-95) 2/20/03

Notice of References Cited

Part of Paper No. 13

parent applications Serial Nos. 08/671,376 and

Application No. 08/470,271 Page 7 of 12 08/671,376 Gu et al

		Notice of Refere	ences Cited	Examiner Mic	Examiner Gr Michael Trinh			age 1 of 1
_			u	.s. PATENT DOCUME	NTS			
	Т	D CUMENT NO.	DATE		NAME		CLASS	SUBCLASS
14	44	5,486,535	11/14/95 .	· H	iggins et al		428	483
	,8	5,477,360	12/19/95	Su	nohara et al		349	132
	С	5,585,951	12/17/96		Noda et al		349	122
	D							
	Ε							
_	F							
-	G							
_	н							
-	1							
	J			<u>,</u>				
H	K							·
\vdash	-							
\vdash	M			-				
\vdash	**		FO	REIGN PATENT DOCU	MENTS		<u>. </u>	
\vdash		DOCUMENT NO.	DATE .	COUNTRY	NAMI		CLASS	SUBCLASS
\vdash	-	DUCUMENT NO.	. DATE					
\vdash	N							
L	0							
\vdash	P			<u> </u>				
\vdash	0			•				
H	R					$\overline{}$		
-	8		-				-	
-	T				I COUTE		1	
L	,			NON-PATENT DOCUM		:		DATE
L	$oldsymbol{\downarrow}$	Wolf et al, "Silicon Proc	DOCUMENT (Including	Author, Tide, Source, and	08.418-421,428-4			
1	, ,	Wolf et al. Silicon Proce	essing for the VCGI CI					1986
	v							
H	w							
L	+							
	×							

U. S. Patent and Tradomark Office PTO-892 (Rev. 9-95) January 90 Alo 2/28/03

Notice of References Cited

Part of Paper No. 10

T DOCUMENT	194 IS CLASS	SUBCLASS SUBCLASS	RUNG DATE PAPPROPRIA	
don 80	TS CLASS	SUBCLASS	PRING DATE IF APPROPRIA	
DOCUMENT	CLASS	SUBCLASS	RUNG DATE F APPROPRIA	TE
	CLASS		Translation	TE
	INTS		Translation	TE
T DOCUME		SUBCLASS	Translation	
T DOCUME!		SUBCLASS		
TOCUME		SUBCLASS		
T DOCUME!		SUBCLASS		
T DOCUME!		SUBCLASS		
T DOCUME!		SUBCLASS		
T DOCUME!		SUBCLASS		
T DOCUME!		SUBCLASS		
T DOCUME		SUBCLASS		
T DOCUME		SUBCLASS		
T DOCUME		SUBCLASS		/
T DOCUME!		SUBCLASS		1
T DOCUME!		SUBCLASS		
T DOCUME		SUBCLASS		
	auss	SUBCLASS		\neg
	\mathcal{A}	1	1	彐
				·
		1		
······································			 	_
NTS Under	ing Australe Tide	Oran Persinent	Proce Stat	-
				.ope
hem, et. e	al.			
cyclobuter	ne Using	A Silico	n Nitrid	<u>·</u>
r, J. Elec	ctrochem	Soc., Vo	142,	
	a Rongoes	re lobuter	10	
., IMC 199	92 Proces	edings, N	rokohama,	
	•			
~/ /				
478/2	3	·		
1 0	chem, et. ocyclobute er, J. Ele trate Usin 1., IMC 19	chem, et. al. ocyclobutene Using er, J. Electrochem trate Using Benzocy 1., IMC 1992 Proces	nterconnect Process Designe chem, et. al. ocyclobutene Using A Silico er, J. Electrochem Soc., Vo trate Using Benzocyclobuter 1., IMC 1992 Proceedings,	ocyclobutene Using A Silicon Nitride er, J. Electrochem Soc., Vol. 142, trate Using Benzocyclobutene 1., IMC 1992 Proceedings, Yokohama,

parent applications Serial Nos. 08/671,376 and 08/470,271 Page 9 of 12

Form PTO-1449 Docket Humber (Optiones) 12190.293 08/671. INFORMATION DISCLOSURE CITATION Applicant den BOER, ET. Or. 10/052767 IN AN APPLICATION Group Art Unit 6127196 (Use several sheets if necessary) 2813 U. S. PATENT DOCUMENTS -EXAMINER DOCUMENT NUMBER HAME RUNG DATE DATE CLASS SUBCLASS 1/1943 5 246782 KENNEDY, ET. AL. BABB, ST. AL. 5364547 1/1994 4/1995 KENNEDY, ET. AL. 10/1997 YAD, ET. AL. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS 6/1994 060386 EP OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Benzocyclobutene as a Planarization Resin for Flat ann Planel Displays" by Perettie, et. al., SPIE Vol. 1665 Crystal Materials, Devices, and Applications, 1992. EXAMINER DATE CONSIDERED note & Bl 2/28/03 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant

Section 2. Form PTO - 1449 (Modified) ATTY, DOCKET HO. SERIAL NO. FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE 12190.293 08/671,376 PATENT AND TRADEMARK OFFICE (Modified) APPLICANT 10/05276 **INFORMATION DISCLOSURE** BOER, ET. AL. den STATEMENT BY APPLICANT FLING DATE (Use several sheets if necessary) 6/27/96 2813 (37 CFR 1.98(b)) U.S. PATENT DOCUMENTS **RUNG DATE** EXAMINER **ISSUE** auss PATENTEE FATROPPATE DATE ENITTAL PATENT NUMBER 3/91 WAKAI, ET. AL. 003356 4/44 KANEMORI, BT. AL 302987 5/95 KOBAYASHI, ST. AL. 5414278 5463230 10/45 NEGOTO, BT. AL. 463484 10/45 BRODY *(עדוק* 528209 6/96 MACDONALD, ET. AL. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION TRANSLATION COUNTRY OF UBLICATIO CLASS SUBCLASS PATENT OFFICE DOCUMENT NUMBER YES DATE OTHER DOCUMENTS (Including Author, Title, Date", Relevant Pages, Place of Publication") DATE CONSDERED EXAMINER EXAMMER: Iditial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Information Disclosure Statement - Section 2, FORM PTO - 1449 (Modified) 16-11-page - of - A

ORM PTO-		U.S	L DEF	ATTA	БИ (ATTY. DOCYET HO. E 12190.243		RIAL NO. 08/671	,376
vocited)		MAT	10H E)	SURE JCANT		den Boen.			10/052767
) 7 CFR 1.980	Use se bil	vend	sheet	s ti ne		ያ) -	FILING DATE	GR	IOUP	1813
	-,,					U.S. PATE	NT DOCUMENTS .			
XAMINER INITIAL	T	PATI	ENT N	UMBE	R	DATE	PATENTEE	CLASS	SUBGUSS	FRING DATE FATROPRUTE
			I	П	\perp			-		· · · · ·
-	*	4	╬	H	+			1-		
		Н	\mp	Ħ	+			1	-	
	- -	H	+	H	+					
		H	士	口				1		
	I		$oldsymbol{\perp}$	П	I		<u> </u>	1		
	4	Ц	4	1-1			•	-		
	+	H	+	╂╂	+			+		
	-	Н	╅	++	+	1		1		
	T					R PUBLIS	COUNTRY OF			TRANSLATION
	1	ocu	IMEN	ר אטא	IBER	DATE	PATENT OFFICE	CLAS	S Secre	S YES 40
\rightarrow	1		\perp	\perp	1	1		+	+	
		Ц	\perp	\downarrow	\downarrow	 				
						1 1				
	T		П							T
OTHER OC	COM	IEN	TS (inclu	ıding	Author, T	itle, Date", Relevant P.	ages, P	lace of Pu	blication***)
Zer		100	OPTI	MIS	ÂTIO	U OF VI	ERY SMALL PITCH A	CTIVE	MATRIX	LCD FIR
	Γ	72	NEC	TIOA) n B	A AICHO	LE, ST. M., ISEE	, 199		
2-	ij	14	A H	144-	APE	TURE-RE	dio 3-IN DIAGIUML	YGA A	-Si LIGH	T VALVE WIT
M	-	PI	XEL	DAT	N P	ND PIXEL	JAATE LIUBS OVERLI	179124	T BY SAK	AMOTO, ET. AI
		1	4164	AF	ERT	RE AND	FRULT-TOLERANT PI	XEL S	TRUCTURE	HR TFT-LO
My	-	8	γ .	KIM	, 5 1.	ML. , S:	D 1995 DIGEST			
EXAMINER	In	i		. <i>4</i>	ZY	ale	DATE CONSDERIE			
			ı ci	etic			Draw line through		n if not in	confor-
~~~~~~~	doc	t co	อกร	lder	ed. I	nclude co	py of this form with	next c	ommunic	ation to

(Information Disclosure Statement - Section 2, FORM PTO + 1449 (Modified) 46-41-0000-01-3

Page 12 of 12 172,074/80 parent applications Serial Mos. 08/671,376 and

Patent and Trademark Office; U.S.DEPARTMENT OF COMMERC'E citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP \$ 609; Draw line through \$2\83\C MANAGE OTHER DOCUMENTS (Induding Author, Tide, Dain, Perdinent Pages, Eltz.) LISTA PRINCE RESHUN TNEMUCCOO MINUOD \$2\$UD878 CASSS FOREIGN PATENT DOCUMENTS 600% H800265 .13 , u à . 10 R3MMAX3 JATTMI TANG DRUM. росимент кимвея BTAD HYME SUBCLASS U. S. PATENT DOCUMENTS 28 174/ 3 Med Bolis (ולפ פפרפים! בהפסום עו הפכמבביוץ) CINC CEASC MUNICIPAL 2813 IN AN APPLICATION Joseph Bose, CT, AT. 12250/91 INFORMATION DISCLOSURE CITATION Ebe '05161 **6441-0T9 m10-1** 1 to .1 ment2

PTO/58/08 (11-90)